

Datasheet for ABIN6138329  
**anti-CDK8 antibody (AA 365-464)**



[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	CDK8
Binding Specificity:	AA 365-464
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 365-464 of human CDK8 (NP_001251.1).
Sequence:	DDKGDKKNQQ QQQGNHTNG TGHPGNQDSS HTQGPPLKKV RVVPPTTTSG GLIMTSDYQR SNPHAAYPNP GPSTSQPQSS MGYSATSQQP PQYSHQTHRY
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	CDK8
Alternative Name:	CDK8 ( <a href="#">CDK8 Products</a> )
Background:	<p>This gene encodes a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are known to be important regulators of cell cycle progression. This kinase and its regulatory subunit, cyclin C, are components of the Mediator transcriptional regulatory complex, involved in both transcriptional activation and repression by phosphorylation of the carboxy-terminal domain of the largest subunit of RNA polymerase II. This kinase regulates transcription by targeting the cyclin-dependent kinase 7 subunits of the general transcription initiation factor IIH, thus providing a link between the Mediator complex and the basal transcription machinery. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants.,CDK8,K35,Epigenetics &amp; Nuclear Signaling,Signal Transduction,Kinase,Serine/threonine kinases,Cell Biology &amp; Developmental Biology,Cell Cycle,Notch Signaling Pathway,Wnt/<math>\beta</math>-Catenin Signaling Pathway,CDK8</p>
Molecular Weight:	53 kDa
Gene ID:	1024
UniProt:	<a href="#">P49336</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">Regulation of Lipid Metabolism by PPARalpha</a>

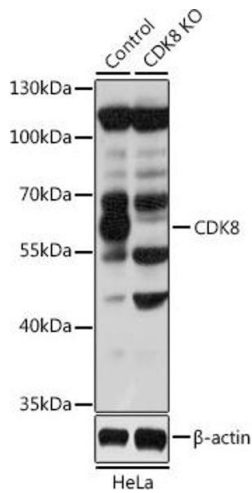
## Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

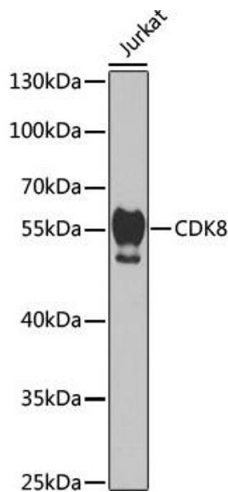
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



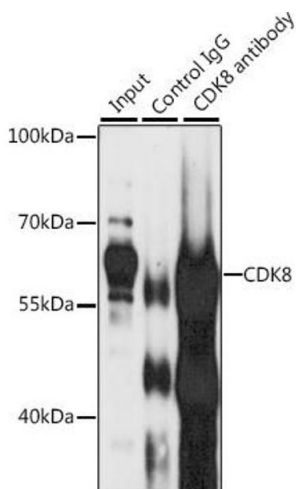
### Western Blotting

**Image 1.** Western blot analysis of extracts from normal (control) and CDK8 knockout (KO) HeLa cells, using CDK8 antibody (ABIN6129240, ABIN6138329, ABIN6138330 and ABIN7101776) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



### Western Blotting

**Image 2.** Western blot analysis of extracts of Jurkat cells, using CDK8 antibody (ABIN6129240, ABIN6138329, ABIN6138330 and ABIN7101776) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



### Immunoprecipitation

**Image 3.** Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg CDK8 antibody (ABIN6129240, ABIN6138329, ABIN6138330 and ABIN7101776). Western blot was performed from the immunoprecipitate using CDK8 antibody (ABIN6129240, ABIN6138329, ABIN6138330 and ABIN7101776) at a dilution of 1:1000.